

1022

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) deceted errors when processing the following computer readable form:

Application Serial Number:	10/068,664
Source:	0198
Date Processed by STIC:	10/31/02

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax) PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (http://www.uspto.gov/ebc/efs/downloads/documents.htm, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
- 3. Hand Carry directly to:
 U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
 - U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
- Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION SERIAL NUMBER: 10/068, 664
attn: new rules cases	: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE
1Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5Variable Length	Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped
	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
8Skipped Sequences (NEW RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000
9Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
10IInvalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
Use of <220>	Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
13Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

AMC/MH - Biotechnology Systems Branch - 08/21/2001



Does Not Comply Corrected Diskette Needed

OIPE

Another error on p. 4

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/068,664

DATE: 10/31/2002

TIME: 15:58:50

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF4\10312002\J068664.raw

		•
3	<110> APPLICANT: Li, Chuan	
5	<120> TITLE OF INVENTION: De novo synthesized plasmid, n	methods of making and use
thereof	<pre><130> FILE REFERENCE: ETI.PMMU.011502 <140> CURRENT APPLICATION NUMBER: US 10/068,664 </pre> <pre><141> CURRENT FILING DATE: 2002-10-15 <160> NUMBER OF SEQ ID NOS: 41 <170> SOFTWARE: PatentIn version 3.1 <210> SEQ ID NO: 1 <211> LENGTH: 44 <212> TYPE: DNA <213> ORGANISM: synthetic oligo <400> SEQUENCE: 1 cgcccgccgc ccgggcgccc cgccttccgc ttcctcgctc actg <210> SEQ ID NO: 2 <211> LENGTH: 44 <212> TYPE: DNA <213> ORGANISM: synthetic oligo</pre>	
7	<130> FILE REFERENCE: ETI.PMMU.011502	10
9	<140> CURRENT APPLICATION NUMBER: US 10/068,664	and terr
C> 10	<141> CURRENT FILING DATE: 2002-10-15	way gran
12	<160> NUMBER OF SEQ ID NOS: 41	Symmo
14	<170> SOFTWARE: PatentIn version 3.1	aver
16	<210> SEQ ID NO: 1	e the
17	<211> LENGTH: 44	The type of errors shown exist throughout
18	<212> TYPE: DNA Windid response	the Sequence Listing. Please check cub-
19	<213> ORGANISM: synthetic oligo	sequences for similar errors.
21	<400> SEQUENCE: 1	a e e e e e e e e e e e e e e e e e e e
22	cgcccgccgc ccgggcgccc cgccttccgc ttcctcgctc actg	44
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63	<212> TYPE: DNA	
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32

Input Set : A:\PTO.VSK.txt

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98 <211> LENGTH: 32	
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100 <213> ORGANISM: synthetic oligo	
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108 <212> TYPE: DNA	
109 <213> ORGANISM: sythetic oligo	
111 <400> SEQUENCE: 11	
112 geggegegge ggtteaegtt egetegegta te	32
115 <210> SEQ ID NO: 12	32
116 <211> LENGTH: 32	
117 <212> TYPE: DNA	
118 <213> ORGANISM: synthetic oligo	
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121 geggegegge ggaageacae ggeeacaetg et 124 <210> SEQ ID NO: 13	22
124 \210 SEQ 1D NO. 13 125 \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
125 <211> HENGIN: 32 126 <212> TYPE: DNA	
120 <212> TIPE. DNA 127 <213> ORGANISM: synthetic oligo	
127 (213) ORGANISM. Synthetic Oligo 129 (400) SEQUENCE: 13	
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130 ggeggggege ceaceatega atgytgeaaa ac 133 <210> SEQ ID NO: 14	5.2
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135 <212> TIPE: DNA 136 <213> ORGANISM: synthetic oligo	
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139 cgcccgccgc ccgggccgcg cccgtgccta atgagtgagc taac 142 <210> SEQ ID NO: 15	44

Input Set : A:\PTO.VSK.txt

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161 <211> LENGTH: 44
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190 <213> ORGANISM: synthetic oligo
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208 <213> ORGANISM: synthetic oligo
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214 <210> SEQ ID NO: 23
215 <211> LENGTH: 50
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Input Set : A:\PTO.VSK.txt

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		gaaggagata tacatatgaa getteeeggg taeeggtega etagttaaet ageataaece .	180
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		-	

Input Set : A:\PTO.VSK.txt

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	<213> ORGANISM:	artif	icial seque	nce		
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	<223> OTHER INFO		ON: A de nov	vo synthesi:	zed plasmid	
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	aactctgtag caccg		-	_	-	 300
	agtggcgata agtcg					360
	cagcggtcgg gctga					420
	accgaactga gatac					480
	aaggcggaca ggtat					 540
	ccagggggaa acgcc					600
	cgtcgatttt tgtga	-				 660
	gcctttttac ggttc					720
	tcccctgatt ctgtg	-	_			780
	agccgaacga ccgag					840
	tattttctcc ttacg					900 960
	atctgctctg atgcc					1020
	tcatggctgc gcccc					1020
	tcccggcatc cgctt	_				1140
	tttcaccgtc atcac gaagcgattc acaga					1200
	gcgttaatgt ctggc	-				1260
	tcactgatgc ctccg					1320
	gagagaggat gctca					1380
	gtgagggtaa acaac					1440
	aatgccagcg cttcg					1500
	cgatgcagat ccgga					1560
	ggcggcgggc gttcg					1620
	ttcaaatatg tatco					1680
	aaggaagagt atgag					1740
	ttgccttcct gtttt					1800
	gttgggtgca cgagt					1860
	ttttcgcccc gaaga					1920
	ggtattatcc cgtat					1980
	gaatgacttg gttga					2040
	5 . 5 . 5 . 5 . 5 . 5 . 5 . 5 . 5 . 5 .	J	· · J =	J J	ر د ر د	

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF4\10312002\J068664.raw

Use of <220> Feature(NEW RULES):

Sequence(s)_are missing the <220> Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence" or "Unknown". Please explain source of genetic material in <220> to <223> section (See "Federal Register," 6/01/98, Vol. 63, No. 104,pp.29631-32) (Sec.1.823 of new Rules)

Seq#:25,39

VERIFICATION SUMMARY

DATE: 10/31/2002

PATENT APPLICATION: US/10/068,664

TIME: 15:58:51

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF4\10312002\J068664.raw

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:235 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:25

L:237 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:25, <213>

ORGANISM: Artificial Sequence

L:237 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:25, <213>

ORGANISM: Artificial Sequence

L:237 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:25, Line#:237

L:918 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:39

L:920 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:39, <213>

ORGANISM: Artificial Sequence

L:920 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:39, <213>

ORGANISM: Artificial Sequence

L:920 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:39, Line#:920